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tion which is to sail next June, and will be absent about six years, is shortly leaving England for Canada to make arrangements for the bringing to this country for the necessary fitting up of the *Terra Nova*, which has been secured for the venture.

Mr. Cope is at present engaged in appointing the personnel of the expedition. Professor R. C. Mossman, who has been appointed chief of the scientific staff, was meteorologist to the Scott Antarctic Expedition; Mr. A. H. Larkman, who sailed in the *Terra Nova* as chief engineer with the Shackleton Expedition, has signed on with the British Imperial in the same capacity; and Mr. T. H. R. Hooke, R.A.F., who was also with the Shackleton Expedition, has been appointed chief of the wireless staff. Captain Hurley, who during the war was one of the official photographers to the Australian forces and who accompanied the Mawson Expedition as photographer, will go with Mr. Cope as photographer. A cable has been received by Mr. Cope from Mr. Ernest Joyce, who was a member of the Scott and Shackleton expeditions. It is probable that Mr. Joyce will accompany the present expedition, and in the meanwhile he is in charge of the organization in Australia. Lieutenant E. Healy, late Dublin Fusiliers, has been appointed a member of the shore party, which will leave the *Terra Nova* when the vessel becomes fast in the ice, and will explore the district to the south of the great ice barrier.

It is the intention of Mr. Cope to take an aeroplane on board the *Terra Nova* and make a flight to the South Pole. Already two firms of aeroplane makers have offered to supply the expedition with a machine free of cost. Generous support is being given the expedition by commercial firms.

#### DISTINGUISHED SERVICE MEDALS

THE distinguished service medal has been awarded as follows: Colonel William H. Welch, United States Army. For exceptionally meritorious and conspicuous service. From his rich experience in scientific medicine, sanitation, public health and medical education he helped materially in guiding the medical pro-

fession both in and out of the Army safely through many difficulties of war. Colonel Victor C. Vaughan, United States Army. For exceptionally meritorious and conspicuous service. During his service in the office of the surgeon-general his contributions of advice and information have been of great value to the Army in connection with the control of communicable diseases. During the recent epidemic of influenza, in particular, his work was of extreme value. Lieutenant-Colonel Richard P. Strong, Medical Corps, United States Army. For exceptionally meritorious and distinguished services. Possessed of the highest professional qualification and actuated by zealous devotion to duty, he has rendered service of inestimable value to the American Expeditionary Forces, notably as president of a board appointed to investigate the cause of trench fever, a disease which has caused serious losses to the effectiveness of the allied armies. The scientific research of this board under his skilful direction led to the discovery of the means by which trench fever is transmitted and in the establishment of effective measures for its prevention.

#### SCIENTIFIC NOTES AND NEWS

DR. CHRISTOPHER ADDISON has been appointed the first minister of health in the Ministry of Health which has been established by the British Parliament. Dr. Addison was at one time professor of anatomy, University College, Sheffield. He was parliamentary secretary to the Board of Education, 1914-15, minister of munitions, 1916-17; minister of reconstruction, 1917, and has latterly occupied the office of president of the Local Government Board.

PROFESSOR F. SODDY has been elected a foreign member of the Swedish Academy of Sciences in succession to the late Sir William Crookes.

DR. CHAS. B. DAVENPORT, of the Carnegie Institution of Washington, has been elected associate of the Académie des Sciences de Belgique.

DR. HENRY G. BARBOUR, assistant professor of pharmacology in Yale University, has received a grant of \$200 from the committee on

Scientific Research of the American Medical Association for the investigation of substances likely to be of value as anesthetics.

DON C. MOTE, formerly economic zoologist, Ohio Agricultural Experiment Station, has been appointed state entomologist of Arizona by the Arizona Commission of Agriculture and Horticulture, and assumed the duties of the office on July 1.

DR. A. G. MCCALL has terminated his services with the Army Educational Corps in France and has resumed his work as chief of the Soil Investigational Work at the Maryland Experiment Station.

MR. HARRY S. MORK has resigned as vice-president of Arthur D. Little, Inc., of Cambridge, Mass., and has been elected to the vice-presidency of the Lustron Company of Boston, manufacturers of artificial silk by a process developed in the Little establishment. He will also act as consultant to the Industrial Company of Boston.

DR. MAURICE H. GIVENS has resigned the assistant professorship of biological chemistry at the University of Rochester to accept the post of biochemist in the research laboratory at the Western Pennsylvania Hospital, Pittsburgh, Pa.

THE council of the British Scientific Instrument Research Association has appointed Mr. H. Moore to be assistant director of research.

THE American Scandinavian Foundation announces the names of ten American college students who will receive \$1,000 each to enable them to go to Sweden to study in exchange with ten Swedish students to come to America. The men appointed are: Samuel G. Frantz, Princeton; Harry F. Yancey, University of Missouri; Chester C. Stewart, Massachusetts Institute of Technology; Harry W. Titus, University of Wyoming; Robert C. Sessions, Worcester Polytechnic Institute; Clarence N. Ostergren, Sheffield Scientific School; William S. Moir, Yale Forestry School; Henry M. Meloney, State School of Forestry at Syracuse University; Rudolph E. Zetterstrand, Sheffield Scientific School, and Thomas Fraser, University of Illinois.

ON July 1, Major Clarence J. West, recently in charge of the editorial department, Research Division, Chemical Warfare Service, assumed his duties as director of the information department of Arthur D. Little, Inc. In his new position Major West will extend the library facilities of the organization and develop a special information service on technical and scientific subjects for the benefit of the clients and staff of Arthur D. Little, Inc.

COLONEL HARRY L. GILCHRIST, of the Medical Corps, U. S. A., will command a group of 550 American Army officers and volunteers who will undertake to eliminate typhus from the camps and among the people in Poland.

PROFESSOR ALBERT JOHANSEN, of the University of Chicago, has gone to Mexico City for the summer. He is doing petrographic work for the Mexican Survey.

MR. I. H. BOAS, M.Sc., of the Technical School, Perth, has left for Europe, America and India, where he will investigate Forest Products Laboratories. His report will form the basis of the Western Australian project.

PROFESSOR H. F. CLELLAND, of the department of geology, has been granted a leave of absence from Williams College for the coming college year.

DR. J. G. SANDERS, director of the Bureau of Plant Industry of the Pennsylvania Department of Agriculture, at Harrisburg, Pa., has been commissioned by the Federal Horticultural Board at Washington to study the potato wart disease in the British Isles, and to note the methods adopted for controlling the spread of this most dangerous potato disease. The potato wart disease was first determined by him to occur in the United States in a district comprising four counties in the vicinity of Hazleton, Pa., in September, 1918. These four counties, with three outlying points, are now under strict quarantine.

ORGANIZED from the Scottish Oceanographical Laboratory, a surveying expedition left Edinburgh on June 16, for Spitsbergen, headed by Mr. John Mathieson, late divisional superintendent of Ordnance Survey in Scotland, who retired to take up this work. In

1909 Mr. Mathieson completed a survey of Prince Charles Foreland, Spitsbergen, which was begun in 1906 by Dr. W. S. Bruce, director of the Scottish Oceanographical Laboratory.

IN connection with the physiology of the nervous system, given as a part of the course in general physiology at the Tufts College medical school, a series of three lectures was delivered on July 21, 22 and 23, by A. P. Weiss, of the department of psychology of Ohio State University, on "The place of behavior psychology in physiology."

THE following lecturers at the Royal College of Physicians of London are announced: Dr. J. L. Birley, the Goulstonian; Sir W. Leishman, the Horace Dobell; Sir J. Rose Bralford, the Lumleian; and, for 1921, Dr. J. L. Golla, the Croonian.

THE death is announced at the age of sixty-seven years of Dr. Emil Fischer, professor of chemistry in the University of Berlin. Dr. Fischer was awarded a Nobel prize in 1902.

INCLUDED in the Army Appropriation Bill, now passed by Congress, is an appropriation of \$20,000 for the Surgeon-General's Library, and for the preservation of specimens for the Army Medical School, Washington, \$10,000. An appropriation of \$350,000 is made for the purchase of twenty-six acres of land adjoining Walter Reed Hospital, Washington, for the final location of the Army Medical School, Surgeon-General's Library and the Army Museum, and for the improvements on the land to be purchased.

THE thirteenth annual meeting of the British Museums Association was held at Oxford, on July 8, and the two following days. Members were welcomed by Sir Herbert Warren, president of Magdalen. An address was given by the president, Sir H. Howarth, followed by the reading of a series of papers on museums in Oxford. Wednesday morning was occupied by discussions on the propriety of transferring the control of museums to the education authority, and on various matters of detail. On Thursday Dr. W. Evans Hoyle, curator of the

Welsh Museum, Dr. F. A. Bather, of the Natural History Museum, and Mr. Isaac Williams, of Cardiff opened a discussion on the desirability of establishing a diploma for museum curators, and on the course of training that should be required. In the afternoon visits were paid to local museums and places of historic interest.

WE learn from the London *Times* that the fifth annual general meeting of the Medico-Political Union was held in London on June 12. Dr. F. Coke, in his presidential address, said that 367 new members had joined during the last month. The report of the general secretary regretted the hostility which had sprung up between the British Medical Association and the Union. "The Association had for many years," the report proceeded, "while decrying trade unionism, been employing trade-union methods with impunity, until the Coventry case shattered their claims and left us as the only body adequately equipped to carry on a fight on behalf of the profession. I am pleased to say that the association, or certain of its members, recognize facts, and an attempt is now being made to reconcile differences." As to the formation of a ministry of health, the report stated that it foreshadowed drastic changes in the medical services at an early date. Those changes would benefit neither the community nor the profession, unless the latter had a large voice in shaping them. It was the duty of that union to impress on government departments the importance of the general practitioner as the backbone of the medical profession, and the fact that he was better equipped to give advice than those occupying a more exalted position. Resolutions were also passed in favor of the organization of the whole of the medical profession on a trade-union basis, and to the effect that a whole-time salaried service for general practitioners was undesirable.

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#### UNIVERSITY AND EDUCATIONAL NEWS

THE contract has just been signed for an addition to the laboratory of the department